

Interoffice Memorandum

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Subject: **Monthly Report – July 1997
Product Development
& Engineering**

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**ORMCO CONFIDENTIAL
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INFORMATION –**

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ORMCO CONFIDENTIAL AND PROPRIETARY INFORMATION**ORTHODONTIC PRODUCTS****RESEARCH AND EXPLORATORY PRODUCT INVESTIGATIONS****CustomR_x CUSTOM LABIAL APPLIANCE SYSTEM (Project 853-E Craig Andreiko/Eric Chapoulaud)****a. Lab Reopening (Craig Andreiko)****1) Accomplishments / Status**

- ☒ Debugging of the bracket design software with cylindrical vertical slot.
- ☒ A software module to automatically create a brackets tree for the 5x5 case was developed and tested with the SANDERS MM6 Pro machine. This software creates a '.STL' file from the Setup model file that contains the brackets models.
- ☒ The Bracket design has been also improved to include constant pad thickness, lower gingival wing, rounded corners on the pad.

2) Goals For August

- ☐ Improve the brackets tree design, manufacture tree samples and cast them.
- ☐ Creation of 5x5 case of Jigs and brackets.

3) Major Project Milestones

- © 3D JIG Design review: 8/31/97

b. 3D Digitizing (Eric Chapoulaud)**1) Accomplishments / Status**

- ☒ No development was done this month.

2) Goals For August

- ☐ No development is anticipated this month.

3) Major Project Milestones

- © Mandibular jaw of the PK Thomas model scanned: August 97.

c. Bracket Fabrication (Eric Chapoulaud)**1) Accomplishments / Status**

- ☒ Training at SANDERS for E. Chapoulaud and L. Phaneuf was accomplished.
- ☒ Installation of the MMI, upgrade version of the MM6 Pro. Intermittent problems on the building jet was discovered. A new jet will be sent by SANDERS to replace it.
- ☒ Upgrade of the SANDERS Software.

2) Goals For August

- ☐ New Upgrade of the SANDERS software.
- ☐ Installation of a Printer Server, that will be used as a Milling machine Server also.

3) Major Project Milestones

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